INSTRUCTIONS
FORM F11b
FUGITIVE DUST-STORAGE PILES

Department of Environmental Quality
Division of Air Quality
P.O. Box 144820
Salt Lake City, UT 84114-4820
Telephone (801) 536-4000

DAQ ID	For office use only.
Pt. Source ID	Provide the identification number associated with the storage piles.
SCC	Enter the appropriate Source Classification Code (SCC). See the General Instructions for explanation.
Type of Material Stored	List the type of material stored. For example, stone, gravel, clay, gypsum, coal, etc.
Avg. Amount Stored	Enter the average storage pile quantity being stockpiled. List the value in tons per year.
Stockpile size	Describe the stockpile size in acres.
Annual Thru-put	List the total amount of material stored in each storage pile in tons per year.
% Moisture	List the average moisture content of material stored in the storage pile.
% Silt	Provide the percent silt content of the stored material.
Wind Speed	Wind speed in mile per hour.
Control Method Code	Code the control method used to reduce dust emissions: 000. None; 061. Water spray; 062. Chemical suppression *Refer to Table I in the General Instructions for additional control codes if needed.*
% Control Efficiency	Provide the percent effectiveness of the control measure.
Emissions	Enter the estimated or calculated emissions to the atmosphere in tons per year. **Provide complete calculations on a separate sheet.**
Emission Code	Provide the valid method code for quantifying actual emissions of $PM_{2.5}$ and PM_{10}. The valid method codes are listed in Table II of the General Instructions. These are the only codes which will be accepted. If the Estimate Code 8 (AP-42 factors) is used, please provide the section number of AP-42 in the Comment column.
Emission Factor	Provide the emission factors used in the calculations.
Units	Units appropriate to the emissions factor used must be provided.

Suggested Equation

$$E.F.(lb/ton) = k(0.0032)\left(\frac{(\frac{U}{5})^{1.3}}{(\frac{M}{2})^{1.4}}\right)$$

Where:

k = particle size multiplier ($PM_{2.5}$: 0.11 and PM_{10}: 0.35)

U = mean wind speed (mph)

M = material moisture content (%, enter as percent not decimal)

Reference: AP-42 Section 13.2.4-3